



Water-Data Report 2008

**01411457 LITTLE EASE RUN AT GRANT AVENUE, NEAR FRANKLINVILLE, NJ**

MAURICE RIVER BASIN

LOCATION.--Lat 39°38'06", long 75°04'19" referenced to North American Datum of 1983, Franklin Township, Gloucester County, NJ, Hydrologic Unit 02040206, at Grant Avenue, 600 ft west from Jackson Avenue, 0.9 mi upstream from Franklinville Lake, and 1.2 mi north from Franklinville.

DRAINAGE AREA.--12.4 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 2007-08.

REMARKS.--Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 17.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 5

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)
<b>Dec</b> 10...	1000	Surface water, regular	.7	.370	.279	765	8.9	75	5.3
<b>Mar</b> 03...	1030	Surface water, regular	1.1	.348	.261	766	10.3	82	4.9
<b>May</b> 29...	1000	Surface water, regular	1.8	.510	.400	765	7.5	71	5.4
<b>Aug</b> 12...	0930	QC - Artificial, field blank	--	--	--	--	--	--	--
<b>Aug</b> 12...	1000	Surface water, regular	2.9	.329	.250	755	6.8	69	5.9

## 01411457 LITTLE EASE RUN AT GRANT AVENUE, NEAR FRANKLINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 5

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated.]

Date	Specific conductance, wat unf $\mu$ S/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)
Dec 10...	144	9.0	7.7	27	5.38	3.42	1.55	11.1	<6	15.2	<.12	9.6	22.4
Mar 03...	110	11.5	5.5	19	3.73	2.48	1.36	9.41	<6	16.0	<.12	7.8	12.8
May 29...	88	18.0	12.8	15	2.88	1.93	1.48	8.04	E4	13.8	<.12	7.8	4.28
Aug 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	135	22.0	16.1	26	5.24	3.18	2.05	13.5	9	17.6	<.12	8.1	17.0

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 5

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated.]

Date	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non- filter- able, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)
Dec 10...	--	88	1	.39	.032	1.38	E.02	1.8	E1.8	<.010	E.005	.009	.2
Mar 03...	--	71	3	.38	.018	1.32	E.03	1.7	E1.7	<.010	E.006	.009	.5
May 29...	E49	70	1	.92	.104	1.29	.04	2.2	2.3	<.010	.021	.029	.7
Aug 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	E80	103	2	.53	.035	1.68	.08	2.2	2.3	E.006	.013	.028	.6

## 01411457 LITTLE EASE RUN AT GRANT AVENUE, NEAR FRANKLINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 5

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated.]

Date	Inor- ganic carbon, suspcd sedimnt total, mg/L (00688)	Organic carbon, suspcd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Barium, water, unfltrd recover- able, µg/L (01007)	Beryll- ium, water, unfltrd recover- able, µg/L (01012)	Boron, water, fltrd, µg/L (01020)	Boron, water, unfltrd recover- able, µg/L (01022)	Cadmium water, unfltrd µg/L (01027)	Chrom- ium, water, unfltrd recover- able, µg/L (01034)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover- able, µg/L (01042)
	Dec 10...	<.04	.2	9.6	--	--	--	--	22	--	--	--	--
Mar 03...	<.04	.5	8.1	.53	.67	53.0	.10	17	19	.08	E.39	--	<1.2
May 29...	<.04	.7	19.5	--	--	--	--	16	--	--	--	--	--
Aug 12...	--	--	--	<.06	--	--	--	--	--	--	--	<1.0	--
12...	<.04	.6	8.6	.81	.93	78.7	.08	33	29	.07	E.23	--	E.77

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 5 of 5

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated.]

Date	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, unfltrd recover- able, µg/L (01049)	Mangan- ese, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Manganese, water, unfltrd recover- able, µg/L (71890)	Mercury water, unfltrd recover- able, µg/L (71900)	Nickel, water, unfltrd recover- able, µg/L (01065)	Nickel, water, unfltrd recover- able, µg/L (01067)	Selen- ium, water, unfltrd µg/L (01147)	Silver, water, unfltrd recover- able, µg/L (01077)	Zinc, water, unfltrd recover- able, µg/L (01090)	Zinc, water, unfltrd recover- able, µg/L (01092)
	Dec 10...	--	--	--	--	--	--	--	--	--	--	--
Mar 03...	392	--	.64	26.9	--	.015	--	1.3	E.07	<.02	--	14.4
May 29...	--	--	--	--	--	--	--	--	--	--	--	--
Aug 12...	--	E.06	--	--	<.010	--	<.20	--	--	--	<1.8	--
12...	488	--	.62	28.2	--	.021	--	1.6	.11	<.02	--	12.8

## 01411457 LITTLE EASE RUN AT GRANT AVENUE, NEAR FRANKLINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	1-Naphthol, water, fltrd 0.7u GF µg/L (49295)	2,6-Diethyl-aniline, water, fltrd 0.7u GF µg/L (82660)	2Chloro-2',6'-diethyl acet-anilide, wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, µg/L (61620)	3,4-Di-chloro-aniline, water, fltrd, µg/L (61625)	3,5-Di-chloro-aniline, water, fltrd, µg/L (61627)	4-Chloro-2methyl phenol, water, fltrd, µg/L (61633)	Aceto-chlor, water, fltrd, µg/L (49260)	Ala-chlor, water, fltrd, µg/L (46342)	alpha-Endo-sulfan, water, fltrd, µg/L (34362)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl oxon, water, fltrd, µg/L (61635)
May 29...	<.04	<.006	<.010	E.008	<.010	<.006	<.008	<.005	<.006	<.006	<.006	.009	<.04

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Carbo-furan, water, fltrd 0.7u GF µg/L (82674)	Chlor-pyrifos oxon, water, fltrd, µg/L (61636)	Chlor-pyrifos, water, fltrd, µg/L (38933)	cis-Per-methrin, water, fltrd 0.7u GF µg/L (82687)	cis-Propi-cona-zole, water, fltrd, µg/L (79846)	Cyana-zine, water, fltrd, µg/L (04041)	Cyflu-thrin, water, fltrd, µg/L (61585)	lambda-Cyhalo-thrin, water, fltrd, µg/L (61595)	Cyper-methrin, water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)
May 29...	<.120	<.010	E.007	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Desulf-inyl-fipro-nil, water, fltrd µg/L (62170)	Diazi-non, water, fltrd µg/L (39572)	Dicro-tophos, water, fltrd, µg/L (38454)	Diel-drin, water, fltrd, µg/L (39381)	Dimeth-oate, water, fltrd 0.7u GF µg/L (82662)	Disulf-oton sulfone, water, fltrd, µg/L (61640)	Disul-foton, water, fltrd 0.7u GF µg/L (82677)	Endo-sulfan sulfate, water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7u GF µg/L (82668)	Ethion monoxon, water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Etho-prop, water, fltrd 0.7u GF µg/L (82672)	Fenami-phos sulfone, water, fltrd, µg/L (61645)
May 29...	<.012	<.005	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053

## 01411457 LITTLE EASE RUN AT GRANT AVENUE, NEAR FRANKLINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Fenami-phos sulf-oxide, water, fltrd, µg/L (61646)	Fenami-phos, water, fltrd, µg/L (61591)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide, water, fltrd, µg/L (62167)	Fipro-nil sulfone, water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Fonofos, water, fltrd, µg/L (04095)	Hexa-zinone, water, fltrd, µg/L (04025)	Ipro-dione, water, fltrd, µg/L (61593)	Isofen-phos, water, fltrd, µg/L (61594)	Mala-oxon, water, fltrd, µg/L (61652)	Mala-thion, water, fltrd, µg/L (39532)	Meta-laxyl, water, fltrd, µg/L (61596)
May 29...	<.20	<.03	<.029	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 5 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Methid-athion, water, fltrd, µg/L (61598)	Methyl para-oxon, water, fltrd, µg/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF µg/L (82667)	Metola-chlor, water, fltrd, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Moli-nate, water, fltrd, 0.7u GF µg/L (82671)	Myclo-butanil, water, fltrd, µg/L (61599)	Oxy-fluor-fen, water, fltrd, µg/L (61600)	Pendi-meth-alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)
May 29...	<.004	<.01	<.008	.012	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 6 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Prome-ton, water, fltrd, µg/L (04037)	Prome-tryn, water, fltrd, µg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF µg/L (82676)	Pro-panil, water, fltrd, 0.7u GF µg/L (82679)	Propar-gite, water, fltrd, 0.7u GF µg/L (82685)	Sima-zine, water, fltrd, µg/L (04035)	Tebu-thiuron, water, fltrd, 0.7u GF µg/L (82670)	Teflu-thrin, water, fltrd, µg/L (61606)	Ter-bufos oxon sulfone, water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF µg/L (82675)	Ter-buthyl-azine, water, fltrd, µg/L (04022)	Thio-bencarb water, fltrd, 0.7u GF µg/L (82681)	trans-Propi-cona-zole, water, fltrd, µg/L (79847)
May 29...	E.01	<.006	<.004	<.006	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02

01411457 LITTLE EASE RUN AT GRANT AVENUE, NEAR FRANKLINVILLE, NJ—Continued

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO  
SEPTEMBER 2008**

Part 7 of 7

[Remark codes: <, less than; E, estimated.]

Date	Tribu- phos, water, fltrd, µg/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	Di- chlor- vos, water, fltrd, µg/L (38775)
<b>May</b> 29...	<.035	<.009	<.01